

# External pump refurbishment leads to regular business

ID: 9445

Industry: *Other* Customer Location: *Spain*  
Application: *VPF-Valves, Pipes and Fittings* Application Date: *January 2023*  
Substrate: *Other*  
Products: *Belzona 1121 (Super XL-Metal), Belzona 5811 (Immersion Grade)*

## Problem

The client presented us with a damaged vertical pump. It had perforations and severe corrosion problems.



A damaged pipe with corrosion and through-wall holes.



The pipe after being repaired with Belzona 1121.



Application of Belzona 5811.



Repaired pipe.

## Application Situation

They had no replacement and traditional welding was impossible. Down-time was crucial as stopping production for a prolonged time would lead to a big monetary loss. The client needed a solution that was effective, fast, and could be done on-site.

## Application Method

Belzona 1121 was offered to rebuild, protect, and seal the perforated pump. Sheet metal was used to seal the holes. The repair was made stronger and longer-lasting by incorporating reinforcing fabric. The repair area was quite big and Belzona 1121 allowed enough working life with the product to finish the whole application, but also presented a very fast solution to the problem, especially as it could be done in situ.

The pump also suffered from severe corrosion as it operates submerged in seawater. Belzona 5811 coating was recommended and applied to protect the external surfaces of the pump from seawater attack, corrosion, and further deterioration.

## Belzona Facts

There are always competitors trying to win the job too, but our strength is that we provide the full solution. Many clients return after the first repair because they already know that they can get a fast and effective solution and that our application team is going to apply it to high standards. Through this process, they gain complete confidence in Belzona solutions.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

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FS 695214  
ISO 14001:2015  
EMS 695213

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